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- (71) Applicant (for all designated States except US): INSENSE LIMITED [GB/GB]; Colworth Science Park, Sharnbrook, Bedford MK44 1LQ (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DAVIS, Paul, James [GB/GB]; The Hawthorns, Pavenham Road, Felmersham, Bedford MK43 7EX (GB). AUSTIN, Andrew, John [GB/GB]; 85 Gypsy Lane, Irchester, Northants NN29 7DJ (GB). JEZEK, Jan [CZ/GB]; 34 Lindsey Road, Luton LU2 9SR (GB).
- (74) Agent: KEITH W NASH & CO; 90-92 Regent Street, Cambridge CB2 1DP (GB).
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(54) Title: METHOD FOR STABILIZATION OF ENZYMES DURING EXPOSURE TO STERILIZING RADATION

(57) Abstract: The present invention provides a composition comprising an enzyme, e.g. oxidase enzyme, a source of zinc and/or ammonium ions and a source of lactate ions. The compositions are typically sterilised by exposing the compositions to sterilising radiation, e.g. gamma radiation. The incorporation of a source of zinc and/or ammonium ions and a source of lactate ions, e.g. zinc L-lactate, in the enzyme-containing composition results in an improvement in enzyme activity post-sterilisation. The presence of a source of zinc and/or ammonium ions and a source of lactate ions in the composition therefore has a protective effect on the enzyme during exposure to sterilising radiation so that good recovery of enzyme activity can be obtained.

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